

## PATENT ABSTRACTS OF JAPAN

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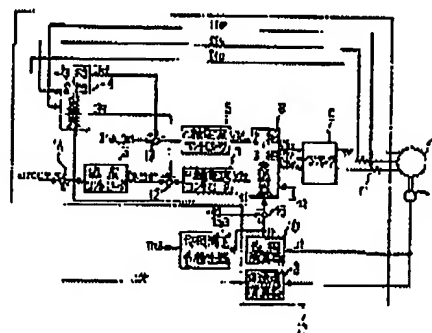
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## (54) CONTROLLER FOR MOTOR AND ITS POSITION CORRECTING METHOD

## (57)Abstract:

PROBLEM TO BE SOLVED: To efficiently control to drive by driving a motor based on direction information by a driving means.

SOLUTION: A subtracter 14 subtracts a speed command value  $\omega_{com}$  from a rotor angular velocity  $\omega$ , and outputs information of speed difference to a speed controller 6. The controller 6 regulates a q-axis current command value  $i_{1qcom}$  so that the angular velocity  $\omega$  of the rotor of a motor 1 becomes a value  $\omega_{com}$ . A subtracter 12 subtracts the q-axis current command value  $i_{1qcom}$  received from the controller 6 from q-axis current from a 3 phase-2 phase converter 4 to obtain their difference, and outputs the difference information to a q-axis current controller 7. The controller 7 regulates a value of an output voltage  $V_{1q}$  output to a 2 phase-3 phase converter 8 based on the difference information. The current component actually output from an inverter 9 can be controlled to coincide with the current command value  $i_{1qcom}$  output from the controller 6 by this regulation.



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